

Abstract

A structure and method of constructing a multistory concrete building formed entirely of poured in place concrete tunnels. The structure is constructed so that the substructure can be used as a parking garage and the superstructure as residential space. The unique use of concrete tunnels in both the substructure and superstructure combines the benefits of column and plate construction with concrete tunnel construction while eliminating the need for a traditional transfer deck between the superstructure and substructure.